FIG. 6

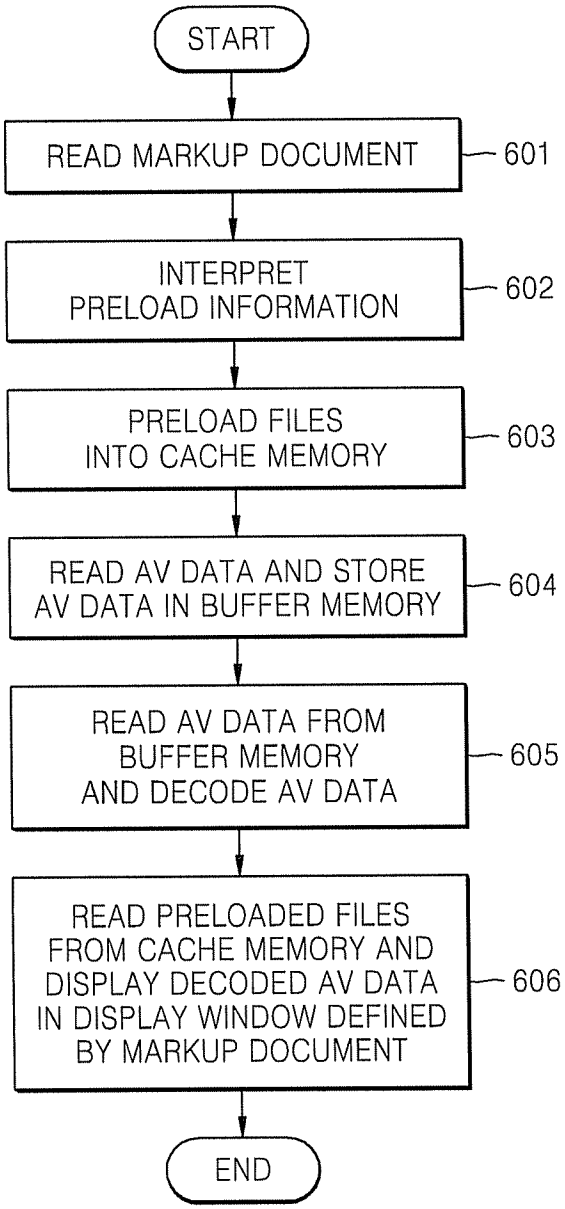

START
READ MARKUP DOCUMENT
601
INTERPRET PRELOAD INFORMATION
602
PRELOAD FILES INTO CACHE MEMORY
603
READ AV DATA AND STORE AV DATA IN BUFFER MEMORY
604
READ AV DATA FROM BUFFER MEMORY AND DECODE AV DATA
605
READ PRELOADED FILES FROM CACHE MEMORY AND DISPLAY DECODED AV DATA IN DISPLAY WINDOW DEFINED BY MARKUP DOCUMENT
606
END

FIG. 7

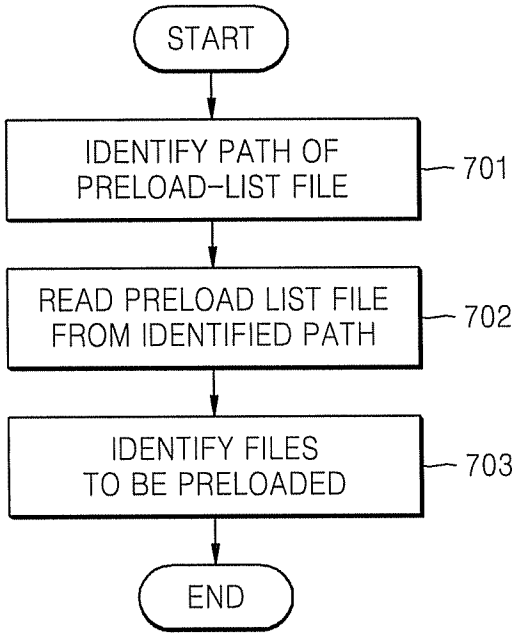

START
IDENTIFY PATH OF PRELOAD-LIST FILE
701
READ PRELOAD LIST FILE FROM IDENTIFIED PATH
702
IDENTIFY FILES TO BE PRELOADED
703
END

FIG. 8

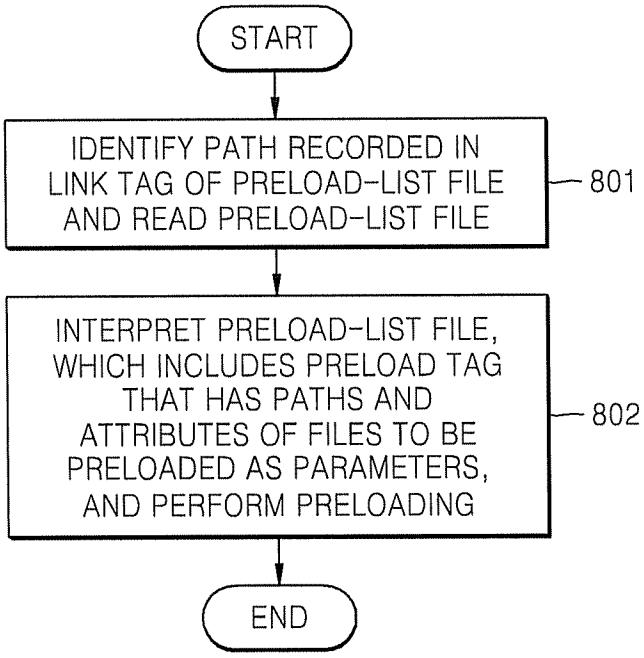
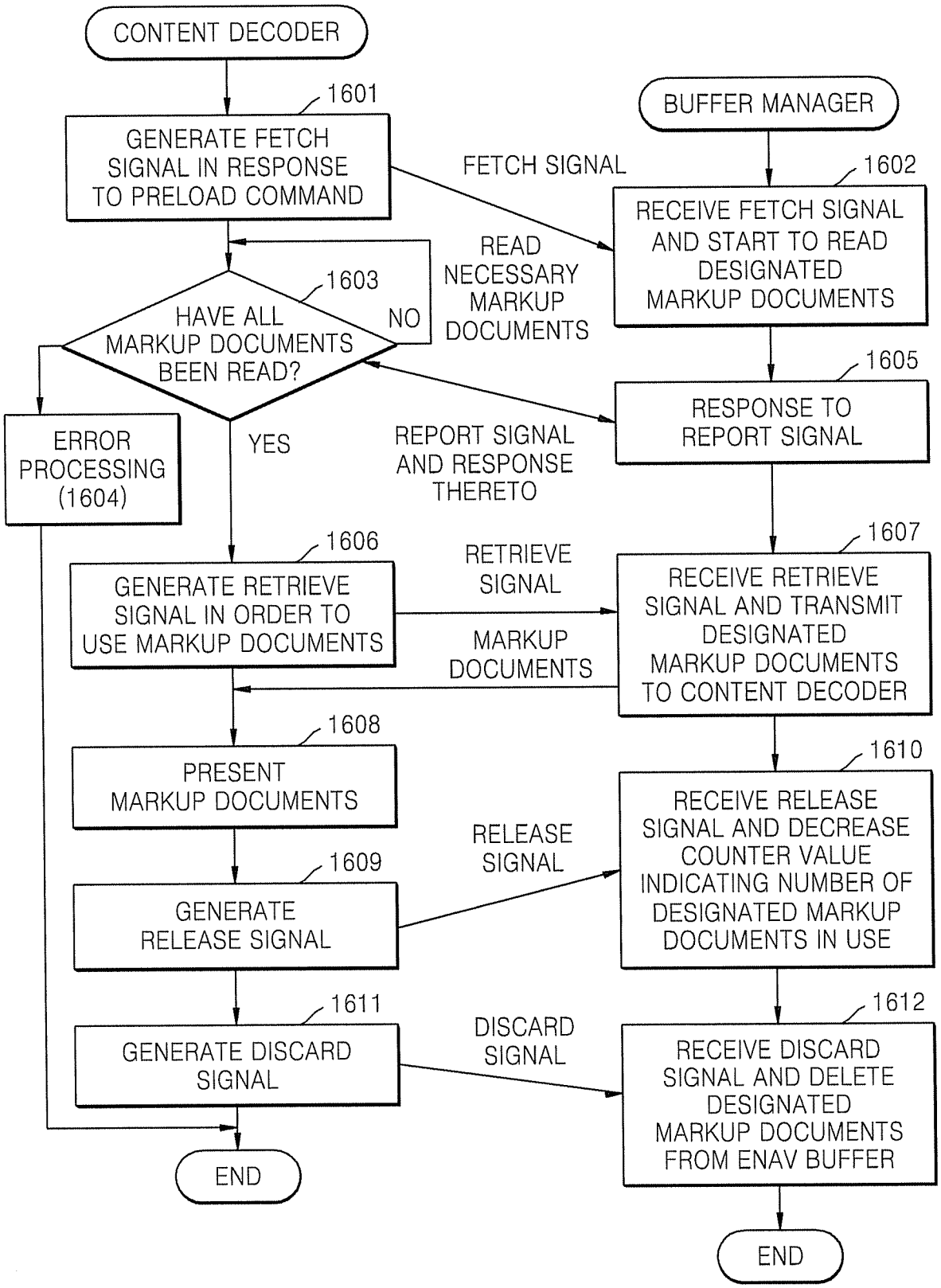

START
IDENTIFY PATH RECORDED IN LINK TAG OF PRELOAD-LIST FILE AND READ PRELOAD-LIST FILE
801
INTERPRET PRELOAD-LIST FILE, WHICH INCLUDES PRELOAD TAG THAT HAS PATHS AND ATTRIBUTES OF FILES TO BE PRELOADED AS PARAMETERS, AND PERFORM PRELOADING
802
END

FIG. 16


CONTENT DECODER
1601
GENERATE FETCH SIGNAL IN RESPONSE TO PRELOAD COMMAND
FETCH SIGNAL
BUFFER MANAGER
1602
RECEIVE FETCH SIGNAL AND START TO READ DESIGNATED MARKUP DOCUMENTS
READ NECESSARY MARKUP DOCUMENTS
1603
HAVE ALL MARKUP DOCUMENTS BEEN READ?
NO
YES
ERROR PROCESSING (1604)
1605
RESPONSE TO REPORT SIGNAL
REPORT SIGNAL AND RESPONSE THERETO
1606
GENERATE RETRIEVE SIGNAL IN ORDER TO USE MARKUP DOCUMENTS
RETRIEVE SIGNAL
1607
RECEIVE RETRIEVE SIGNAL AND TRANSMIT DESIGNATED MARKUP DOCUMENTS TO CONTENT DECODER
MARKUP DOCUMENTS
1608
PRESENT MARKUP DOCUMENTS
1610
RECEIVE RELEASE SIGNAL AND DECREASE COUNTER VALUE INDICATING NUMBER OF DESIGNATED MARKUP DOCUMENTS IN USE
RELEASE SIGNAL
1609
GENERATE RELEASE SIGNAL
1611
GENERATE DISCARD SIGNAL
DISCARD SIGNAL
1612
RECEIVE DISCARD SIGNAL AND DELETE DESIGNATED MARKUP DOCUMENTS FROM ENAV BUFFER
END
END